



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
		Applicant Brenda F. Baker, et al.	
		Filing Date November 4, 2003	Group Not Yet Assigned 1635
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	1	Copy of the PCT International Search Report dated December 1, 2003 (PCT/US03/19043)	
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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
TV	2	WO 99/14226	03/25/99	PCT		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
* TV	3	Ausubel, et al., Eds., Current Protocols in Molecular Biology, 1988, Wiley & Sons, New York	
	4	Beaucage S. and Iyer, R., "Advances in the synthesis of oligonucleotides by the phosphoramidite approach", <i>Tetrahedron Letters</i> , 1992, 48, 2223-2311	
	5	Beaucage S. and Iyer, R., "The synthesis of modified oligonucleotides by the phosphoramidite approach and their applications", <i>Tetrahedron</i> , 1993, 49, 6123-6194	
	6	Bhat, et al., "A Simple and Convenient Method for the Selective N-Acylation of Cytosine Nucleosides", <i>Nucleosides and Nucleotides</i> , 1989, 8, 179-183	
	7	Crooke, S.T. and Bennett, C.F., "Progress in Antisense Oligonucleotide Therapeutics", <i>Annu. Rev. Pharmacol. Toxicol.</i> , 1996, 36, 107-129	
	8	Crooke, et al., "Kinetic characteristics of Escherichia coli Rnase H1: cleavage of various antisense oligonucleotide-RNA duplexes", <i>Biochem. J.</i> , 1995, 312, 599-608	
	9	Dagle, et al., "Targeted degradation of mRNA in Xenopus oocytes and embryos directed by modified oligonucleotides: studies of An2 and cyclin in embryogenesis", <i>Nucleic Acids Research</i> , 1990, 18, 4751-4757	
	10	Dagle, et al., "Pathways of Degradation and Mechanism of Action of Antisense Oligonucleotides in <u>Xenopus laevis</u> Embryos", <i>Antisense Res. And Dev.</i> , 1991, 1, 11-20	
	11	Dagle, et al., "Physical properties of oligonucleotides containing phosphoramidate-modified internucleoside linkages", <i>Nucleic Acids Research</i> , 1991, 19, 1805-1810	
↓	12	Englisch, U. And Gauss, D.H., "Chemically Modified Oligonucleotides as Probes and Inhibitors", <i>Angewandte Chemie, International Edition Engl.</i> , 1991, 30, 613-629	
EXAMINER		DATE CONSIDERED	

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TV	13	Haeuptle and Dobberstein, "Translation arrest by oligonucleotides complementary to mRNA coding sequences yields polypeptides of predetermined length", <i>Nucleic Acids Res.</i> , 1986 , <i>14</i> , 1427-1448	
↓	14	Eder, P.S. and Walder, J.A., "Ribonuclease H from K562 Human Erythroleukemia Cells", <i>J. Biol. Chem.</i> , 1991 , <i>266</i> , 6472-6479	
↓	15	Kawasaki, et al., "Uniformly Modified 2'-Deoxy-2'-fluoro Phosphorothioate Oligonucleotides as Nuclease-Resistant Antisense Compounds with High Affinity and Specificity for RNA Targets", <i>J. Med. Chem.</i> , 1993 , <i>36</i> , 831-841	
*	16	Kawasaki, et al., "Synthesis and Biophysical Studies of 2'-DRIBO-2'-F Modified Oligonucleotides", ISIS Pharmaceuticals, Inc., 2280 Faraday Avenue, Carlsbad, CA 92008, USA	
	17	Martin, "Ein neuer Zugang zu 2'-O-Alkylribonucleosiden und Eigenschaften deren Oligonucleotide", <i>Helv. Chim. Acta.</i>, 1995, <i>78</i>, 486-504	
TV	18	Monia, et al., "Selective Inhibition of Mutant Ha-ras mRNA Expression by Antisense Oligonucleotides", <i>J. Biol. Chem.</i> , 1992 , <i>267</i> , 19954-19962	
↓	19	Monia, et al., "Evaluation of 2'-Modified Oligonucleotides Containing 2'-Deoxy Gaps as Antisense Inhibitors of Gene Expression", <i>J. Biol. Chem.</i> , 1993 , <i>268</i> , 14514-14522	
↓	20	Reese, C.B., et al., "4-(1,2,4-Triazol-1-yl)-and 4-(3-Nitro-1,2,4-triazol-1-yl)-1-(β-D-Arabinofuranosyl)cytosine(Ara-C)", <i>J. Chem. Soc. Perkin Trans. I</i> , 1982 , pgs. 1171-1176	
↓	21	Robins, et al., "Nucleic acid related compounds. 41. Restricted furanose conformations of 3',5'-O(1,1,3,3-tetraisopropylidisiloxy-1,3-diyl)nucleosides provide a convenient evaluation of anomeric configuration ^{1,2} ", <i>Can. J. Chem.</i> , 1983 , <i>61</i> , 1911-1920	
↓	22	Saison-Behmoaras, T., et al., "Short modified antisense oligonucleotides directed against Ha-ras point mutation induce selective cleavage of the mRNA and inhibit T24 cells proliferation", <i>EMBO</i> , 1991 , <i>10</i> , 1111-1118	
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*	TV	23	Concise Encyclopedia of Polymer Science and Engineering, pgs. 858-859, Kroschwitz, J.I., Ed., John Wiley & Sons, 1990
*		24	Oligonucleotide Synthesis, A Practical Approach, M.J. Gait, Ed., IRL Press, 1984
*		25	Oligonucleotide and Analogs, A Practical Approach, F. Eckstein, Ed., IRL Press, 1991, Chapters 1-7
		26	De Mesmecker, et al., "Antisense Oligonucleotides", <i>Acc. Chem. Res.</i> , 1995, 28, 366-374
		27	Sands, et al., "Biodistribution and Metabolism of Internally ³ H-Labeled Oligonucleotides. II. 3',5'-Blocked Oligonucleotides", <i>Am. Soc. Pharmacol. Exp. Ther.</i> , 1995, 47, 636-646
		28	Strickland, et al., "Antisense RNA Directed Against the 3' Noncoding Region Prevents Dormant mRNA Activation in Mouse Oocytes", <i>Science</i> , 1988, 241, 680-684
		29	Goodchild, et al., "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Review of their Synthesis and Properties", <i>Bioconjugate Chem.</i> , 1990, 1(3), 165-187
		30	Menelev, et al., <i>Bioorg. & Med. Chem. Lett.</i> , 1994, 4(24), 2929-2934
		31	Lengyel, <i>J. Enzym. Res.</i> , 1987, 7, 511-519
		32	Milligan, <i>J. Med. Chem.</i> , 1993, 36, 1923
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TV	33	Tseng, et al., "Antisense Oligonucleotide Technology in the Development of Cancer Therapeutics", <i>Cancer Gene Therapeutics</i> , 1994, 1, 65-71	
	34	Westermann, et al., "Inhibition of expression of SV40 virus large T-antigen by antisense oligodeoxyribonucleotides", <i>Biomed. B. Acta.</i> , 1989, 48, 85-93	
	35	Stein, C.A. et al., "Antisense Oligonucleotides as Therapeutic Agents - Is the Bullet Really Magical?", <i>Science</i> , 1993, 261, 1004-1012	
	36	Stull, et al., "Antigene, Ribozyme and Aptamer Nucleic Acid Drugs: Progress and Prospects", <i>Pharm. Res.</i> , 1995, <i>Pharm. Rev.</i> , 12, 465-482	
	37	Uhlmann, et al., "Antisense Oligonucleotides: A New Therapeutic Principle", <i>Chem. Rev.</i> , 1990, 90, 543	
	38	Akashi, et al., "Novel Stationary Phases for Affinity Chromatography. Nucleobase-Selective Recognition of Nucleosides and Nucleotides on Poly(9-vinyladenine)-Supported Silica Gel ¹⁾ ", <i>Chem. Letters</i> , 1988, 1093-1096	
	39	Alberts, et al., "DNA-Cellulose Chromatography", <i>Meth. Enzymol.</i> , 1971, 21, 198-217	
	40	Arndt-Jovin, et al., "Covalent Attachment of DNA to Agarose", <i>Eur. J. Biochem.</i> , 1975, 54, 411-418	
	41	Blanks, et al., "An oligodeoxynucleotide affinity column for the isolation of sequence specific DNA binding proteins", <i>Nucleic Acids Res.</i> , 1988, 16, 10283-10299	
↓	42	Blomberg, P., "Control of replication of plasmid R1: the duplex between the antisense RNA, CopA, and its target, CopT, is processed specifically <i>in vivo</i> and <i>in vitro</i> by Rnase III", <i>EMBO J.</i> , 1990, 9, 2331-2340	
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TV	43	Bunemann, et al., Immobilization of denatured DNA to macroporous supports: I. Efficiency of different coupling procedures", <i>Nucleic Acids Res.</i> , 1982, 10, 7163-7180	
	44	Bunemann, H., "Immobilization of denatured DNA to macroporous supports: II. Steric and kinetic parameters of heterogeneous hybridization reactions", <i>Nucleic Acids Res.</i> , 1982, 10, 7181-7196	
	45	Chodosh, et al., "A Single Polypeptide Possesses the Binding and Transcription Activities of the Adenovirus Major Late Transcription Factor", <i>Mol. Cell. Biol.</i> , 1986, 6, 4723-4733	
	46	Crooke, et al., "Pharmacokinetic Properties of Several Novel Oligonucleotide Analogs in mice", <i>J. Pharmacol. Exp. Ther.</i> , 1996, 277, 923-927	
	47	Dake, et al., "Purification and Properties of the Major Nuclease from Mitochondria of <i>Saccharomyces cerevisiae</i> ", <i>J. Biol. Chem.</i> , 1988, 263, 7691-7702	
	48	Day, et al., "Immobilization of polynucleotides on magnetic particles", <i>Biochem. J.</i> , 1991, 278, 735-740	
	49	Drmanac, et al., "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing", <i>Science</i> , 1993, 260, 1649-1652	
	50	Duncan, et al., "Affinity Chromatography of a Sequence-Specific DNA Binding Protein Using Teflon-Linked Oligonucleotides", <i>Anal. Biochem.</i> , 1988, 169, 104-108	
	51	Dunn, J.J. and Studier, F.W., "Effect of RNAase III Cleavage on Translation of Bacteriophage T7 Messenger RNAs", <i>J. Mol. Biol.</i> , 1975, 99, 487-499	
↓	52	Elala, et al., "RNase III Cleaves Eukaryotic Preribosomal RNA at a U3 snoRNP-Dependent Site", <i>Cell</i> , 1996, 85, 115-124	
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TV	53	Fahy, et al., "Design and synthesis of polyacrylamide-based oligonucleotide supports for use in nucleic acid diagnostics", <i>Nucl. Acids Res.</i> , 1993, 21, 1819-1826	
	54	Fishel, et al., "Z-DNA Affinity Chromatography", <i>Methods Enzymol.</i> , 1990, 184, 328-342	
	55	Fodor, et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", <i>Science</i> , 1991, 251, 767-773	
	56	Fusi, et al., "Ribonucleases from the extreme thermophilic archaebacterium S. Solfataricus", <i>Eur. J. Biochem.</i> , 1993, 16, 305-310	
	57	Gabrielsen, et al., "Magnetic DNA affinity purification of yeast transcription factor τ -a new purification principle for the ultrarapid isolation of near homogeneous factor", <i>Nucleic Acids Research</i> , 1989, 17, 6253-6267	
	58	Gbenle, "Trypanosoma brucei: Calcium-Dependent Endoribonuclease is Associated with Inhibitor Protein", <i>Exp. Parasitol.</i> , 1990, 71, 432-438	
	59	Gbenle, "Simultaneous Isolation of Cytoplasmic Endoribonuclease and Exoribonuclease of Trypanosoma Brucei", <i>Mol. Biochem. Parasitol.</i> , 1985, 15, 37-47	
	60	Gerdes, K., et al., "Mechanism of Killer Gene Activation. Antisense RNA-dependent Rnase III Cleavage Ensures Rapid Turn-over of the Stable-Hok, SrmB and PndA Effector Messenger RNAs", <i>J. Mol. Biol.</i> , 1992, 226, 637-649	
	61	Gingeras, et al., "Hybridization properties of immobilized nucleic acids", <i>Nucl. Acids Res.</i> , 1987, 15, 5373-5391	
↓	62	Goldkorn, T. And Prockop, D.J., "A simple and efficient enzymatic method for covalent attachment of DNA to cellulose. Application for hybridization-restriction analysis and for <i>in vitro</i> synthesis of DNA probes", <i>Nucleic Acids Res.</i> , 1986, 14, 9171-9191	
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TV	63	Goss, T.A. and Bard, M., "High-performance affinity chromatography of DNA", <i>J. Chromatogr.</i> , 1990, 508, 279-287	
	64	Guo, et al., "Direct fluorescence analysis of genetic polymorphisms by hybridization with oligonucleotide arrays on glass supports", <i>Nucl. Acids Res.</i> , 1994, 22, 5456-5465	
	65	Kadonaga, J.T. and Tjian, R., "Affinity purification of sequence-specific DNA binding proteins", <i>Proc. Natl. Acad. Sci. USA</i> , 1986, 83, 5889-5893	
	66	Kadonaga, J.T., "Purification of Sequence-Specific Binding Proteins b DNA Affinity Chromatography", <i>Methods in Enzymology</i> , 1991, 208, 10-23	
	67	Kasher, et al., "Rapid Enrichment of HeLa Transcription Factors IIIB and IIIC by Using Affinity Chromatography Based on Avidin-Biotin Interactions", <i>Mol. And Cell. Biol.</i> , 1986, 6, 3117-3127	
	68	Kawaguchi, et al., "Purification of DNA-binding transcription factors by their selective adsorption of the affinity atex particles", <i>Nucleic Acids Research</i> , 1989, 17, 6229-6240	
	69	Kennedy, "Hydrophobic Chromatography", <i>Methods in Enzymology</i> , 1990, 182, 339-343	
	70	Knecht, D., "Application of Antisense RNA to the Study of the Cytoskeleton: Background, Principles, and a Summary of Results Obtained with Myosin Heavy Chain", <i>Cell Motil. and Cytoskel.</i> , 1989, 14, 92-102	
	71	Knochbin and Lawrence, "An antisense RNA involved in p53 mRNA maturation in murine erythroleukemia cells induced to differentiate", <i>EMBO J.</i> , 1989, 8, 4107-4114	
V	72	Krinke, L. And Wulff, D., "RNase III-dependent hybrolsis of λ CI-O gene mRNA mediated by λ OOP antisense RNA", <i>Genes & Devel.</i> , 1990, 4, 2223-2233	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	73	Krystal, et al., "N-myc mRNA Forms an RNA-RNA Duplex with Endogenous Antisense Transcripts", <i>Mol. And Cell. Biol.</i> , 1990, 10, 4180-4191	
	74	Liao, "A pyrimidine-guanine sequence-specific ribonuclease from <i>Rana catesbeiana</i> (bullfrog) oocytes", <i>Nucl. Acids Res.</i> , 1992, 20, 1371-1377	
	75	Lohrmann, et al., "New Solid Supports for DNA Synthesis" <i>DNA</i> , 1984, 3, 122	
	76	Lund, et al., "Assessment of methods for covalent binding of nucleic acids to magnetic beads, Dynabeads™, and the characteristics of the bound nucleic acids in hybridization reactions", <i>Nucl. Acids Res.</i> , 1988, 16, 10861-10880	
	77	Maniak, M. And Nellen, W., "Evidence for a feedback regulated back-up promoter which controls permanent expression of a <i>Dictyostelium</i> gene", <i>Nucl. Acids Res.</i> , 1990, 18, 5375-5380	
	78	Matson, et al., "Biopolymer Synthesis on Polypropylene Supports", <i>Anal. Biochem.</i> , 1994, 217, 306-310	
	79	Maskos, U. And Southern, E.M., "Oligonucleotide hybridisations on glass supports: a novel linker for oligonucleotide synthesis and hybridisation properties of oligonucleotides synthesised <i>in situ</i> ", <i>Nucl. Acids. Res.</i> , 1992, 20, 1679-1684	
	80	Meegan, J.M. and Marcus, P.I., "Double-Stranded Ribonuclease Coinduced with Interferon", <i>Science</i> , 1989, 244, 1089-1091	
	81	Narhi, et al., "Hydrophobic Interaction Chromatography in Alkaline pH", <i>Anal. Biochem.</i> , 1989, 182, 266-270	
↓	82	Nellen, W., C., "What makes an mRNA anti-sense-itive?", <i>Curr. Opin. Cell. Biol.</i> , 1993, 18, 419-424	
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TV	83	Nellen, W., et al., "Mechanisms of gene regulation by endogenous and artificially introduced antisense RNA", <i>Biochem., Soc. Trans.</i> , 1992 , <i>20</i> , 750-754	
	84	Nitta, et al., "Purification and Some Properties of Ribonuclease from <i>Xenopus laevis</i> Eggs", <i>Biol. Pharm. Bull. (Jpn.)</i> , 1993 , <i>16</i> , 353-356	
	85	Noguchi, et al., "Characterization of an Antisense Inr Element in the eIF-2 α Gene", <i>J. Biol. Chem.</i> , 1994 , <i>269</i> , 29161-29167	
	86	Noyes, et al., "Nucleic Acid Hybridization Using DNA Covalently Coupled to Cellulose", <i>Cell</i> , 1975 , <i>5</i> , 301-310	
	87	Pease, et al., "Light-generated oligonucleotide arrays for rapid DNA sequence analysis", <i>Proc. Natl. Acad. Sci. USA</i> , 1994 , <i>91</i> , 5022-5026	
	88	Pon, et al., "Derivatization of Controlled Pore Glass Beads for Solid Phase Oligonucleotide Synthesis", <i>BioTech.</i> , 1988 , <i>6</i> , 768-773	
	89	Prokipcak, et al., "Purification and Properties of a Protein that Binds to the C-terminal Coding Region of Human c-myc mRNA", <i>J. Biol. Chem.</i> , 1994 , <i>269</i> , 9261-2969	
	90	Saito, H. And Richardson, C., "Processing of mRNA by Ribonuclease III Regulates Expression of Gene 1.2 of Bacteriophage T7", 1981 , <i>Cell</i> , <i>27</i> , 533-542	
↓	91	Schott, "Template-Chromatographie An Stationar Gebundenen Oligonukleotiden", <i>J. Chromatogr.</i> , 1975 , <i>115</i> , 461-476 English abstract only	
	92	Saliger, H., "Handelsubliche Polymere als Trager in der Oligonucleotidsynthese, 1", <i>Die Makromolekulart Chemie</i>, 1975, <i>176</i>, 1611-1627	
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TV	93	Seliger, H., and Aumann, G., "Trager-Oignonucleotidsynthese an unvernetzten Copolymeren aus Vinylalkohol und N-Vinylpyrrolidon", <i>Die Makromolekulare Chemie</i> , 1975, 176, 609-627 English abstract only	
	94	Seliger, H. And Aumann, G., "Oligonucleotide Synthesis on a Polymer Support Soluble in Water and Pyridine", <i>Tetrahedron Letters</i> , 1973, No. 31, 2911-2914	
	95	Siddell, S.G., "RNA Hybridization to DNA Coupled with Cyanogen-Bromide-Activated Sephadex", <i>Eur. J. Biochem.</i> , 1978, 92, 621-629	
	96	Smith, et al., "The synthesis of oignonucleotides containing an aliphatic amino group at the 5' terminus: synthesis of fluorescent DNA primers for use in DNA sequence analysis", <i>Nucl. Acids Res.</i> , 1985, 13, 2399-2412	
	97	Stoldt, P. And Zillig, W., "Antisense RNA mediates transcriptional processing in an archaebacterium, indicating a novel kind of RNase activity", <i>Mol. Microbiol.</i> , 1993, 7, 875-882	
	98	Syvanen, et al., "Quantification of polymerase chain reaction products by affinity-based hybrid collection", <i>Nucl. Acids Res.</i> , 1988, 16, 11327-11338	
	99	Szyf, et al., "Growth Regulation of Mouse DNA Methyltransferase Gene Expression", <i>J. Biol. Chem.</i> , 1991, 266, 10027-10030	
	100	McBride, L.J. and Caruthers, M.H., "An Investigation of Several Deoxynucleoside Phosphoramidites Useful for Synthesizing Deoxyoligonucleotides", <i>Tetrahedron Letters</i> , 1983, 24, 245-248	
	101	Van Ness, et al., "A versatile solid support system for oligodeoxynucleotide probe-based hybridization assays", <i>Nucleic Acids Research</i> , 1991, 19, 3345-3350	
↓	102	Volk, et al., "An antisense transcript from the <i>Xenopus laevis</i> bFGF gene coding for an evolutionarily conserved 24 kd protein", <i>EMBO J.</i> , 1989, 8, 2983-2988	
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TV	103	Wetlaufer, et al., "Surfactant-Mediated Protein Hydrophobic-Interaction Chromatography", <i>J. Chromatography</i> , 1986, 359, 55-60	
	104	Wu, et al., "Purification and Properties of <i>Drosophila</i> Heat Shock Activator Protein", <i>Science</i> , 1987, 238, 1247-1253	
	105	Wu, et al., "High Resolution Separation and Analysis of Biological Macromolecules", <i>Methods in Enzymology</i> , 1996, 270, 27-47	
	106	Yashima, et al., "High-performance affinity chromatography of oligonucleotides on nucleic acid analogue immobilized silica gel columns", <i>J. Chromatog.</i> , 1992, 603, 111-119	
	107	Yasuda, et al., "Purification and characterization of a ribonuclease from human spleen", <i>Eur. J. Biochem.</i> , 1990, 191, 523-529	
	108	Zarytova, et al., "Affinity Chromatography of DNA Fragments and P-Modified Oligonucleotides", <i>Analyt. Biochem.</i> , 1990, 188, 214-218	
	109	Zuckermann, et al., "Efficient methods for attachment of thiol specific probes to the 3'-ends of synthetic oligodeoxyribonucleotides", <i>Nucleic Acids Research</i> , 1987, 15, 5305-5321	
	110	Hyrup, B. And Nielsen, P., "Peptide Nucleic Acids (PNA): Synthesis, Properties and Potential Applications", <i>Bioorganic & Med. Chem.</i> , 1996, 4, 5-23	
	111	Agrawal, S. et al., "Synthesis and Anti-HIV Activity of Oligoribonucleotides and Their Phosphorothioate Analogs," <i>Ann. N.Y. Acad. Sci.</i> , 1992, 2-10	
↓	112	Shibahara, S. et al., "Inhibition of human immunodeficiency virus (HIV-1) replication by synthetic oligo-RNA derivatives," <i>Nucl. Acids Res.</i> , 1989, 17(1), 239-252	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
		Applicant Brenda F. Baker, et al.	
		Filing Date November 4, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	113	Agrawal, S., "Antisense Oligonucleotides: Towards Clinical Trials," <i>TIBTECH</i> , 1996, 14, 376-388	
	114	Branch, A., "A Good Antisense is Hard to Find," <i>TIBS</i> , 1998, 23, 45-50	
	115	Metlev, et al., "Study of antisense oligonucleotide phosphorothioates containing segments of oligodeoxynucleotides and 2'-methyloligoribonucleotides", <i>Bioorg. & Med. Chem. Lett.</i> , 1994, 4, 2929-2934	
	116	Monia, et al., "Antitumor activity of a phosphorothioate antisense oligodeoxynucleotide targeted against c-raf kinase", <i>Nature Medicine</i> , 1996, 2, 668-675	
	117	Ohtsuki, et al., "Isolation and purification of double-stranded ribonuclease from calf thymus", <i>J. Biol. Chem.</i> , 1977, 252, 483-491	
	118	Arya, S. K. et al., "Inhibition of RNA Directed DNA Polymerase of Murine Leukemia Virus by 2'-O-Alkylated Polyadenylic Acids," <i>Biochemical and Biophysical Research Communications</i> , 1974, 59(2), 608-615	
	119	Arya, S. K. et al., "Inhibition of Synthesis of Murine Leukemia Virus in Cultured Cells by Polyribonucleotides and Their 2'-O-Alkyl Derivatives," <i>Molecular Pharmacology</i> , 1976, 12, 234-241	
	120	Hobbs, J. et al., "Polynucleotides Containing 2'-Amino 2'-deoxyribose and 2'-Azido-2'-deoxyribose [†] ," <i>Biochem.</i> , 1973, 12, 5138-5145	
	121	Hobbs, J. et al., "Poly 2'-Deoxy-2'-Aminouridylic Acid, 1972, 46(4), 1509-1515	
✓	122	Hobbs, J. et al., "Polynucleotides Containing 2'-Chloro-2'-deoxyribose," <i>Biochem.</i> , Eckstein et al., Ed., 1972, 11, 4336-4344	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
		Applicant Brenda F. Baker, et al.	
		Filing Date November 4, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	123	Wincott et al., "Synthesis, deprotection, analysis and purification of RNA and ribozymes," <i>Nucl. Acids Res.</i> , 1995 , 23(14), 2677-2684	
	124	DeClercq, E. et al., "Influence of various 2- and 2'-substituted polyadenyl acids on murine leukemia virus reverse transcriptase," <i>Cancer Letters</i> , 1979 , 7, 27-37	
	125	Pieken, W. et al., "Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes," <i>Science</i> , 1991 , 253, 314-317	
	126	Pilet, J. et al., "Structural parameters of single and double helical polyribonucleotides," <i>Biochem Biophys Res Commun</i> , 1973 , 52(2), 517-523	
	127	Rottman, F. et al., "Polynucleotides Containing 2'-O-Methyladenosine. I. Synthesis by Polynucleotide Phosphorylase," <i>Biochem</i> , 1968 , 7, 2634-2641	
	128	Rottman, F. et al., "Polymers Containing 2'-O-Methylnucleotides. II. Synthesis of Heteropolymers," <i>Biochem</i> , 1969 , 8(11), 4354-4361	
	129	Zmudzka, B. et al., "Poly 2'-0-methylcytidylic acid and the role of the 2'-hydroxyl in polynucleotide structure," <i>Biochem Biophys Res Commun</i> , 1969 , 37(6), 895-901	
	130	Boutla, A., et al., "Short 5'-phosphorylated double-stranded RNAs induce RNA interference in <i>Drosophila</i> ," <i>Curr. Biol.</i> , 2001 , 11, 1776-1780	
	131	Brantl, S., "Antisense-RNA regulation and RNA interference," <i>Biochimica et Biophysica Acta</i> , 2002 , 1575, 15-25	
↓	132	Carmell, M.A., et al., "the argonaute family: tentacles that reach into RNAi, developmental control, stem cell maintenance, and tumorigenesis," <i>Genes and Development</i> , 2002 , 16, 2733-2742	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
		Applicant Brenda F. Baker, et al.	
		Filing Date November 4, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	133	Chiu, Y.-L., et al., "RNAi in human cells: basic structural and functional features of small interfering RNA," <i>Molecular Cell</i> , September 2002, 10, 549-561	
	134	Cogoni, C., et al., "Post-transcriptional gene silencing across kingdoms," <i>Curr. Opinion in Genes Dev.</i> , 2000, 10, 638-643	
	135	Elbashir, S.M., et al., "Functional anatomy of siRNAs for mediating efficient RNAi in <i>Drosophila melanogaster</i> embryo lysate," <i>EMBO J.</i> , 2001, 29(23), 6877-6888	
	136	Elbashir, S.M., et al., "RNA interference is mediated by 21- and -22-nucleotide RNA's," <i>Genes & Dev.</i> , 2001, 15, 188-200	
	137	Elbashir, S.M., et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells," <i>Nature</i> , May 24, 2001, 411, 494-498	
	138	Fire, A., et al., "Potent and specific genetic interference by double-stranded RNA in <i>caenorhabditis elegans</i> ," <i>Nature</i> , February 19, 1998, 391, 806-811	
	139	Guo, S., et al., " <i>par-1</i> , a gene required for establishing polarity in <i>C. elegans</i> embryos, encodes a putative Ser/Thr kinase that is asymmetrically distributed," <i>Cell</i> , May 19, 1995, 81, 611-620	
	140	Gura, T., "A silence that speaks volumes," <i>Nature</i> , April 20, 2000, 404, 804-808	
	141	Jorgensen, R.A., et al., "Chalcone synthase cosuppression phenotypes in petunia flowers: comparison of sense vs. antisense constructs and single-copy vs. complex T-DNA sequences," <i>Plant Mol. Biol.</i> , 1996, 31, 957-973	
↓	142	Lipardi, C., et al., "RNAi as random degradative PCR: siRNA primers convert mRNA into dsRNAs that are degraded to generate new siRNAs," <i>Cell</i> , November 2, 2001, 107, 297-307	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
		Applicant Brenda F. Baker, et al.	
		Filing Date November 4, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	143	Martinez, J., et al., "Single-stranded antisense siRNAs guide target RNA cleavage in RNAi," <i>Cell</i> , September 6, 2002, 110, 563-574	
	144	Mellitzer, G., et al., "Spatial and temporal 'knock down' of gene expression by electroporation of double-stranded RNA and morpholinos into early postimplantation mouse embryos," <i>Mechanisms of Development</i> , 2002, 118, 57-63	
	145	Montgomery, M.K., et al., "RNA as a target of double-stranded RNA-mediated genetic interference in <i>Caenorhabditis elegans</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , December 1998, 95, 15502-15507	
	146	Napoli, C., et al., "introduction of a chimeric chalcone synthase gene into petunia results in reversible co-suppression of homologous genes <i>in trans</i> ," <i>Plant Cell</i> , April 1990, 2, 279-289	
	147	Nishikura, K., "A short primer on RNAi: RNA-directed RNA polymerase acts as a key catalyst," <i>Cell</i> , November 16, 2001, 107, 415-418	
	148	Parrish, S., et al., "Functional anatomy of a dsRNA trigger: differential requirement for the two trigger strands in RNA interference," <i>Molecular Cell</i> , November 2000, 6, 1077-1087	
	149	Schwarz, D.S., et al., "Evidence that siRNAs function as guides, not primers, in the <i>Drosophila</i> and human RNAi pathways," <i>Molecular Cell</i> , September 2002, 10, 537-548	
	150	Sijen, T., et al., "On the role of RNA amplification in dsRNA-triggered gene silencing," <i>Cell</i> , November 16, 2001, 107, 465-476	
	151	Tabara, H., et al., "RNAi in <i>C. elegans</i> : soaking in the genome sequence," <i>Science</i> , October 16, 1998, 282, 430-431	
↓	152	Tijsterman, M., et al., "RNA helicase MUT-14-dependent gene silencing triggered in <i>C. elegans</i> by short antisense RNAs," <i>Science</i> , January 25, 2002, 295, 694-697	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
		Applicant Brenda F. Baker, et al.	
		Filing Date November 4, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	153	Timmons, L., et al., "Ingestion of bacterially expressed dsRNAs can produce specific and potent genetic interferences in <i>Caenorhabditis elegans</i> ," <i>Gene</i> , 2001, 263, 103-112	
TV	154	Timmons, L., et al., "Specific interference by ingested dsRNA," <i>Nature</i> , October 29, 1998, 395, page 854	
TV	155	Tuschl, T., et al., "Targeted mRNA degradation by double-stranded RNA in vitro," <i>Genes & Dev.</i> , 1999, 13, 3191-3197	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. ISIS-5203		Application No. 10/700,920	
				Applicant Brenda F. Baker, et al.			
				Filing Date November 4, 2003		Group Not Yet Assigned	
				Confirmation No. Not Yet Assigned			
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
TV	156	3,687,808	8/29/72	Merigan, et. al.	195	28	
	157	5,013,830	5/7/91	Ohtsuka, et al.	536	27	
	158	5,023,243	6/11/91	Tullis	514	44	
	159	5,130,302	7/14/92	Spielvogel, et al.	514	45	
	160	5,142,047	8/25/92	Tullis	514	44	
	161	5,149,797	9/22/92	Pederson, et al.	536	27	
	162	5,177,198	1/5/93	Spielvogel, et al.	514	45	
	163	5,223,618	6/29/93	Cook, et al.	544	276	
	164	5,235,033	8/10/93	Summerton, et al.	528	391	
	165	5,256,775	10/26/93	Froehler	536	25.6	
	166	5,264,562	11/23/93	Matteucci	536	23.1	
	167	5,264,564	11/23/93	Matteucci	536	23.1	
	168	5,359,044	10/25/94	Cook, et al.	536	23.1	
	169	5,366,878	11/22/94	Pederson, et al.	435	91.3	
	170	5,378,825	1/3/95	Cook, et al.	536	25.34	
	171	5,457,191	10/10/95	Cook, et al.	536	27.13	
	172	5,459,255	10/17/95	Cook, et al.	536	27.13	
EXAMINER				DATE CONSIDERED			

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				Applicant Brenda F. Baker, et al.			
				Filing Date November 4, 2003		Group Not Yet Assigned	
				Confirmation No. Not Yet Assigned			
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
TV	173	5,466,786	11/14/95	Buhr, et al.	536	26.26	
	174	5,476,925	12/19/95	Letsinger, et al.	536	23.1	
	175	5,484,908	1/16/96	Froehler, et al.	536	24.31	
	176	5,506,351	4/9/96	McGee	536	55.3	
	177	5,514,786	5/7/96	Cook, et al.			
	178	5,386,023	1/31/95	Sanghvi, et al.	536	25.3	
	179	5,489,677	2/6/96	Sanghvi, et al.	536	22.1	
	180	5,539,083	7/23/96	Cook, et al.	530	333	
	181	5,506,337	4/9/96	Summerton, et al.	528	391	
	182	5,403,711	4/4/95	Walder, et al.	435	6	
	183	5,508,270	4/16/96	Baxter, et al.	514	47	
	184	4,373,071	02/08/83	Itakura	525	375	
	185	4,401,796	08/30/83	Itakura	525	340	
	186	4,469,863	9/4/84	Ts'o., et al.	536	27	
	187	4,507,433	3/26/85	Miller, et al.	525	54.11	
	188	4,812,512	3/14/89	Buendia, et al.	525	54.11	
	189	4,908,405	3/13/90	Bayer, et al.	525	61	
↓	190	5,391,667	2/21/95	Dellinger	526	264	
EXAMINER				DATE CONSIDERED			

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
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		Confirmation No. Not Yet Assigned

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
TV	191	5,519,134	5/21/96	Acevedo, et al.	544	243
	192	5,614,617	3/25/97	Cook, et al.	536	23.1
	193	5,962,425	10/05/99	Walder, et al.	514	44
	194	5,804,683	09/08/98	Usman et al.	536	25.31
	195	5,891,683	04/06/99	Usman et al.	435	91.31
	196	5,898,031	04/27/99	Crooke, et al.	435	172.3
	197	6,107,094	08/22/00	Crooke	435	455
	198	4,845,205	07/04/89	Huynh Dinh, et al.	536	28
	199	5,525,711	06/11/96	Hawkins, et al.	536	22.1
	200	5,587,469	12/24/96	Cook, et al.	536	23.1
	201	5,587,470	12/24/96	Cook, et al.	536	23.1
	202	5,594,121	01/14/97	Froehler, et al.	536	23.5
	203	5,596,091	01/21/97	Switzer	536	24.5
	204	5,681,941	10/28/97	Cook, et al.	536	23.1
	205	5,691,307	11/25/97	Moschel, et al.	514	12
	206	5,789,562	08/04/98	Seela, et al.	536	22.1
↓	207	5,808,027	09/15/98	Cook, et al.	536	23.1
EXAMINER				DATE CONSIDERED		

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
	Applicant Brenda F. Baker, et al.	
	Filing Date November 4, 2003	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	

U. S. PATENT DOCUMENTS

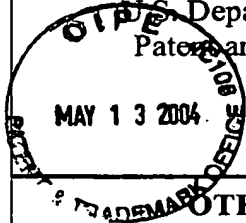
Examiner Initial		Document No.	Date	Name	Class	Subclass
TV	208	5,811,534	09/22/98	Cook, et al.	536	23.1
	209	5,824,796	10/20/98	Petrie, et al.	536	26.7
	210	5,844,106	12/01/98	Seela, et al.	536	22.1
	211	5,898,031	04/27/99	Crooke,	435	172.3
	212	5,948,903	09/07/99	Cook, et al.	536	25.34
	213	6,001,983	12/14/99	Benner	536	23.1
	214	6,066,720	05/23/00	Seela, et al.	536	22.1
	215	6,093,807	07/25/00	Balow, et al.	536	23.1
	216	6,107,094	08/22/00	Crooke	435	455
	217	6,127,121	10/03/00	Meyer, Jr., et al.	435	6
	218	6,143,877	11/07/00	Meyer, et al.	536	22.1
	219	6,174,998 B1	01/16/01	Mühlegger, et al.	536	4.1
	220	6,211,158 B1	04/03/01	Seela, et al.	514	44
↓	221	6,268,132 B1	07/31/01	Conrad	435	6
EXAMINER				DATE CONSIDERED		

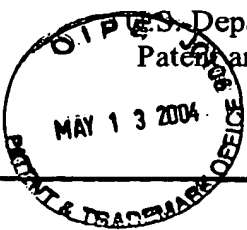
Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Docket No. ISIS-5203		Application No. 10/700,920	
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				Confirmation No. Not Yet Assigned			
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
TV	222	WO 92/20822	11/26/92	PCT			
↓	223	WO 92/20823	11/26/92	PCT			
	224	WO 92/22651	12/23/92	PCT			
	225	WO 94/02499	02/03/94	PCT			
	226	WO 94/02501	02/03/94	PCT			
	227	WO 94/17093	08/04/94	PCT			
↓	228	339,842	11/02/89	EPO			
	229	2-264792	10/29/90	Japan			
TV	230	WO 92/07065	04/30/92	PCT			
↓	231	WO 99/32619	7/1/99	PCT		X	
	232	WO 00/44895	08/03/00	PCT	X abstract		
	233	WO 00/44914	08/03/00	PCT			
	234	WO 00/49035	08/24/00	PCT			
	235	WO 00/63364	10/26/00	PCT			
	236	WO 01/29058	04/26/01	PCT			
	237	WO 01/36641 A2	05/25/01	PCT			
EXAMINER				DATE CONSIDERED			

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
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	Confirmation No. Not Yet Assigned	

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
TV	238	WO 01/36646 A2	05/25/01	PCT		
TV	239	WO 01/48183 A2	07/05/01	PCT		
TV	240	WO 01/75164 A3	10/11/01	PCT		
EXAMINER /Tracy Vivlemore/				DATE CONSIDERED	09/21/2006	

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		Confirmation No. 7522	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	241	Copy of the PCT International Search Report dated April 13, 2004 (PCT/US03/35072)	
EXAMINER		DATE CONSIDERED	

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				Confirmation No. 7522			
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
TV	242	5,854,410	12/29/98	Arnold, Jr., et al.	536	23.1	
TV	243	6,380,169 B1	04/20/02	Adams, et al.	514	44	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
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		Filing Date November 4, 2003	Group 1635
		Confirmation No. 7522	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	244	Copy of the PCT International Search Report dated August 2, 2004 (PCT/US03/35068)	
TV	245	Zhou, Y., et al., "Post-transcriptional suppression of gene expression in xenopus embryos by small interfering RNA," <i>Nucleic Acids Res.</i> , 2002, 30(7), 1664-1669	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

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7522

U. S. PATENT DOCUMENTS

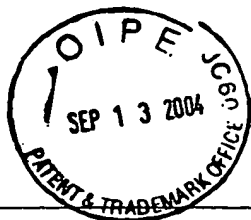
Examiner Initial		Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
TV	246	WO 94/23026 A1	10/13/94	PCT	X abstract	

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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
		Applicant Brenda F. Baker, et al.	
		Filing Date November 4, 2003	Group 1635
		Confirmation No. 7522	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	246	Copy of the PCT International Search Report dated August 23, 2004 (PCT/US03/35063)	
	247	Beigelman, L., et al., "Chemical modification of hammerhead ribozymes," <i>J. of Biological Chem.</i> , 1995, 270(43), 257082-25708	
	248	Caplen, N.J., et al., "Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems," <i>PNAS</i> , 2001, 98(17), 9742-9747	
	249	Czauderna, F., et al., "Structural variations and stabilizing modifications of synthetic siRNAs in mammalian cells," <i>Nucleic Acids Res.</i> , 2003, 31(11), 2705-2716	
	250	Paddison, P.J., et al., "Stable suppression of gene expression by RNAi in mammalian cells," <i>PNAS</i> , 2002, 99(3), 1443-1448	
	251	Sui, G., et al., "A DNA vector-based RNAi technology to suppress gene expression in mammalian cells," <i>PNAS</i> , 2002, 99(8), 5515-5520	
↓	252	Yu, J.-Y., et al., "RNA interference by expression of short-interfering RNAs and hairpin RNAs in mammalian cells," <i>PNAS</i> , 2002, 99(9), 6047-6052	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
	Applicant Brenda F. Baker, et al.	
	Filing Date November 4, 2003	Group 1635
	Confirmation No. 7522	

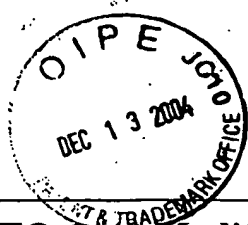
U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
TV	253	2003/0143732 A1	07/31/03	Fosnaugh, et al.	435	325

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

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List of Patent and Publications
Cited by Applicant
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U.S. Department of Commerce
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10/700,920

Applicant
Brenda F. Baker, et al.

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7522

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
TV	247	2003/0143732 A1	07/31/03	Fosnaugh, et al.	435	325

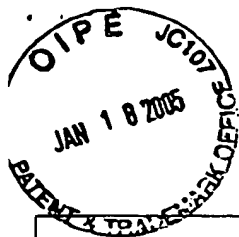
FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

EXAMINER /Tracy Vivlemore/

DATE CONSIDERED 09/19/2006

* Listed on the PCT International Search Report dated November 26, 2004 (PCT/US03/34905).



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
	Applicant Brenda F. Baker, et al.	
	Filing Date November 4, 2003	Group 1635
	Confirmation No. 7522	

U. S. PATENT DOCUMENTS

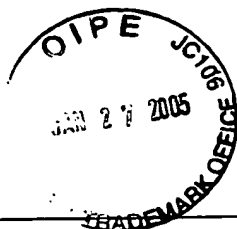
Examiner Initial		Document No.	Date	Name	Class	Subclass
* TV	248	5,760,209	06/02/98	Cheruvallath, et al.	536	25.34
* TV	249	5,955,443	09/21/99	Bennett, et al.	514	44
* TV	250	2004/0018999 A1	01/29/04	Beach, et al.	514	44

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
* TV	251	WO 02/44321 A2	06/06/02	PCT		

EXAMINER /Tracy Vivlemore/	DATE CONSIDERED 09/19/2006
----------------------------	----------------------------

* Cited on the PCT International Search Report dated January 4, 2005 (PCT/US03/34906).



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
	Applicant Brenda F. Baker, et al.	
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	Confirmation No. 7522	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

*	TV	252	Amarzguioui, M., et al., "Tolerance for mutations and chemical modifications in a siRNA," <i>Nucleic Acids Res.</i> , 2003, 31(2), 589-595
**		253	Bass, B.L., "Double-stranded RNA as a template for gene silencing," <i>Cell</i> , 2000, 101, 235-238
****		254	Caplen, et al., "Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate," <i>Proc. Natl. Acad. Sci.</i> , 2001, 98, 9742-9747
****		255	Paddison, P.J., et al., "Stable suppression of gene expression by RNAi in mammalian cells," <i>PNAS</i> , 2002, 99(3), 1443-1448
****	↓	256	Wang, J., et al., "Cyclohexene nucleic acids (CeNA): serum stable oligonucleotides that activate RNase H and increase duplex stability with complementary RNA," <i>J. Am. Chem. Soc.</i> , 2000, 122, 8595-8602


EXAMINER

DATE CONSIDERED

- * Cited on PCT International Search Report dated January 6, 2005 (PCT/US03/35071).
- ** Cited on PCT International Search Report dated January 10, 2005 (PCT/US03/35067).
- ****Cited on PCT International Search Report dated January 7, 2005 (PCT/US03/35061).

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
**** TV	257	5,567,811	10/22/96	Mistura, et al.	536	25.34
****	258	5,576,427	11/19/96	Cook, et al.	536	23.1
****	259	5,602,240	02/11/97	De Mesmaeker, et al.	536	22.1
****	260	5,607,922	03/04/97	De Clercq, et al.	514	43
****	261	5,639,873	06/17/97	Barascut, et al.	536	25.3
****	262	5,681,940	10/28/97	Wang, et al.	536	22.1
***	263	6,150,510	11/21/00	Seela, et al.	536	22.1
***	264	6,294,522 B1	09/25/01	Zablocki, et al.	541	46
****	265	6,329,346 B1	12/11/01	Muhlegger, et al.	514	44
***	266	2002/0160393 A1	10/31/02	Symonds, et al.	435	6
*	267	2003/0143732 A1	07/31/03	Fosnaugh, et al.	435	325
* 	268	2003/0206887 A1	11/06/03	Morrissey, et al.	424	93.2

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
** TV	269	WO 03/072705 A2	09/04/03	PCT		
EXAMINER /Tracy Vivlemore/				DATE CONSIDERED 09/19/2006		

- * Cited on PCT International Search Report dated January 6, 2005 (PCT/US03/35071).
 ** Cited on PCT International Search Report dated January 10, 2005 (PCT/US03/35067).
 *** Cited on PCT International Search Report dated January 4, 2005 (PCT/US03/35146).
 **** Cited on PCT International Search Report dated January 7, 2005 (PCT/US03/35061).



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5203	Application No. 10/700,920
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		Filing Date November 4, 2003	Group 1635
		Confirmation No. 7522	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
*	TV	270	Rajwanshi, V.K., et al., "LNA stereoisomers: <i>xylo</i> -LNA (β -D- <i>xylo</i> configured locked nucleic acid) and α -L-ribo configured locked nucleic acid)," <i>Chem. Commun.</i> , 1999, 1395-1396
*	TV	271	Steffens, R., et al., "Synthesis and thermodynamic and biophysical properties of tricycle-DNA," <i>Am. Chem. Soc.</i> , 1999, 121(14), 3249-3255
EXAMINER		DATE CONSIDERED	

* Cited on PCT Written Opinion dated January 28, 2005 (PCT/US03/35072); PCT International Search Report dated February 16, 2005 (PCT/US03/35141); PCT International Search Report dated February 18, 2005 (PCT/US03/35064).

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
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U. S. PATENT DOCUMENTS

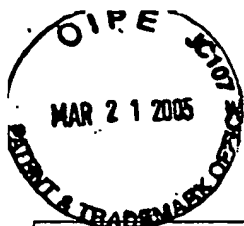
Examiner Initial		Document No.	Date	Name	Class	Subclass
* TV	272	6,436,640 B1	08/20/02	Simmons, et al.	435	6
* TV	273	2002/0068708 A1	06/06/02	Wengel, et al.	514	44

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

EXAMINER /Tracy Vivlemore/	DATE CONSIDERED 09/19/2006
----------------------------	----------------------------

* Cited on PCT Written Opinion dated January 28, 2005 (PCT/US03/35072); PCT International Search Report dated February 16, 2005 (PCT/US03/35141); PCT International Search Report dated February 18, 2005 (PCT/US03/35064).

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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
* TV	274	2002/0081736 A1	06/27/02	Conroy, et al.	435	455

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

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* Cited on the PCT Written Opinion dated March 7, 2005 (PCT/US03/35146).



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		Filing Date November 4, 2003	Group 1635
		Confirmation No. 7522	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
TV	275	Hunziker, J., et al., "Nucleic acid analogues: synthesis and properties," <i>Modern Synthetic Methods</i> , 1995, 331, 334-417	
EXAMINER		DATE CONSIDERED	



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5203	Application No. 10/700,920
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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
TV	276	5,808,036	09/15/98	Kool	536	24.3
TV	277	2002/0132788 A1	09/19/02	Lewis, et al.	514	44

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
TV	278	WO 94/01550	01/20/94	PCT		

EXAMINER	/Tracy Vivlemore/	DATE CONSIDERED	09/19/2006
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Brenda F. Baker, et al.Filing Date
November 4, 2003Group
1635Confirmation No.
7522**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
TV	279	5,034,506	07/23/91	Summerton et al.	528	391
↓	280	5,780,607	07/14/98	Goodnow, Jr. et al.	536	22.1
↓	281	6,046,306	04/04/00	Breipohl et al.	530	322
↓	282	6,395,474 B1	05/28/02	Buchardt et al.	435	6

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
TV	283	WO 86/05518 A1	09/25/86	PCT		

EXAMINER /Tracy Vivlemore/

DATE CONSIDERED 09/19/2006